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Summary of

CA2 ALA 69 1968S72  
Summary of Economics of Land Levelling in Alberta.  
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## LAND LEVELLING

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## EXPENDITURE ON LAND LEVELLING\*

Sugar Beet Rotation . . . . .	\$ 210 per acre
Grain-Hay Rotation . . . . .	\$ 135 per acre
Grain-Smf. Rotation . . . . .	\$ 85 per acre

\* To allow a 10% return to the levelling investment.

## ANNUAL IRRIGATION COSTS

Consist of:

Depreciation	Overhead
Interest on Investment	Costs
Labor	
Fuel	Operating
Repair & Servicing	Costs
Irrigation Machine Use	

These costs apply to sprinkler irrigation; for gravity irrigation methods, only the costs of labor, irrigation machine use and interest on investment for the levelled fields are applicable.

## IRRIGATION COSTS - Dollars per Acre\*

Crop	Not			
	Levelled		Sprinkled	
	Fields	Fields	Fields	Fields**
Sugar Beets	\$ 3.27	\$ 4.95	\$ 6.38	\$ 7.81
Alfalfa	1.88	2.15	5.88	7.17
Grains	3.85	4.46	5.11	6.26

\* Total cost per irrigation

\*\* Hand-move sprinkler units; two common fuel types.

## SPRINKLER IRRIGATION COSTS

Fuel	Cost per	Annual Cost per Acre				
		Sugar	Grain	Beets	Crops	Alfalfa
HAND-MOVE SYSTEMS						
Nat. Gas	\$ 1.92	\$ 15.78	\$ 6.49	\$ 11.60		
Propane	2.28	18.78	7.71	13.69		
Diesel	2.36	19.48	7.98	14.18		
Gasoline	2.52	20.88	8.54	15.15		
WHEEL-ROLL SYSTEMS						
Nat. Gas	1.99	--	9.07	--		
Propane	2.35	--	10.70	--		
Diesel	2.39	--	10.93	--		
VALLEY SYSTEM						
Nat. Gas	2.84	--	11.59	--		



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ALBERTA DEPARTMENT OF AGRICULTURE